Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with A Grade, Approved by AICTE and Affiliated to JNTUH)
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in

18 November 2024

Report of Workshop on “Fundamentals in Artificial Intelligence” for II BTech ECE students from 31 January to 1 February 2025

The Bhoj Reddy Engineering College for Women has organized a Two-day workshop on “Fundamentals in Artificial Intelligence” for II BTech ECE students on from 31 January to 1 February 2025. The workshop had begun with Inaugural Session at 09:30 Hrs The workshop was scheduled from 09:30 to 16:30 Hrs. The theory part and hands-on sessions conducted in West Block Seminar Hall-2 (WB 402). This workshop aimed to introduce participants to foundational concepts in artificial intelligence (AI) and provide hands-on experience with current AI tools and platforms, equipping students with valuable skills for the evolving job market. The session witnessed enthusiastic participation from 138 registered students, who actively engaged in both theoretical and practical learning. The workshop was conducted by Dr P Srikanth & AI Engineer - Mr Venkat Sai, iNAS technology PVT.LTD & M/s IBM Skill Build; Software Developer – Mr A.Harshavardhan Reddy, Security analyst - Sriramoju Harish jairam, Software developer – Mr G Adarsh, M/s INAS Technologies & IBM SkillsBuild.This workshop was conducted by Mr Sreekanth Karlapati, M/s Magic Bus Foundation & IBM Skillsbuild. under Internal Quality Assurance Cell (IQAC).

From this workshop, the students will get free access to IBM Skill Build Portal, IBM Certificate on completion of this classroom & self-study online course, IBM Mentorship, Enrolment to IBM Placement services as additional benefits.

Broacher:

Figure1: Broacher

Banner:

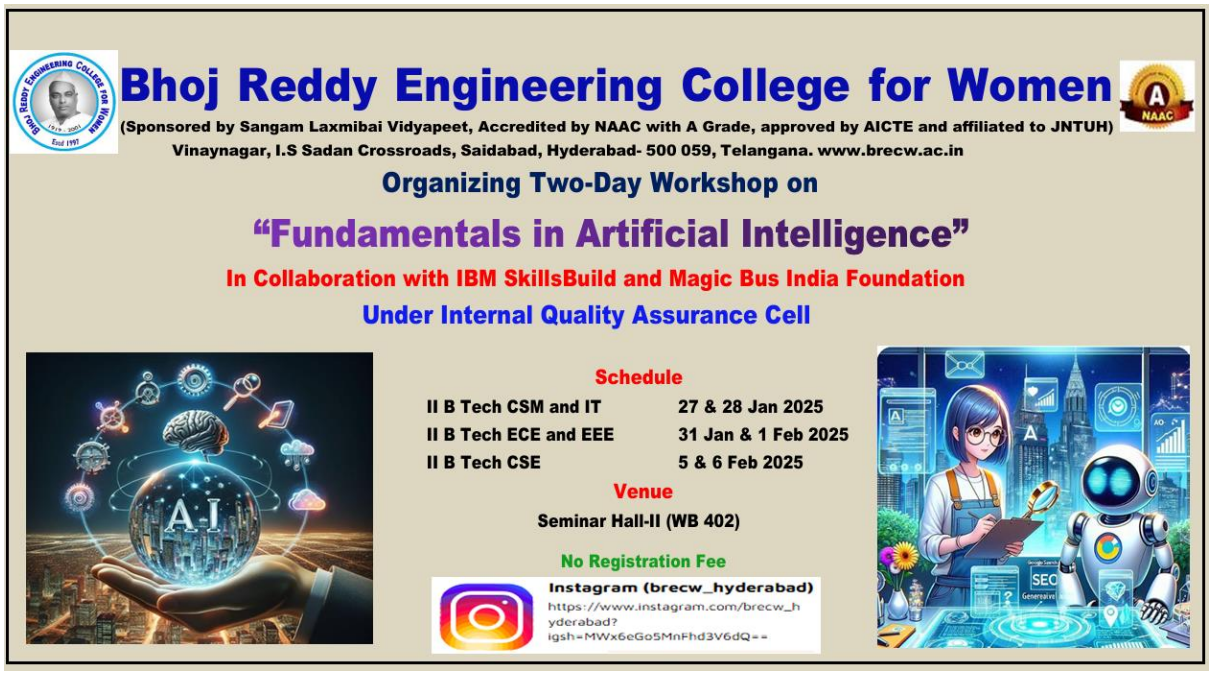
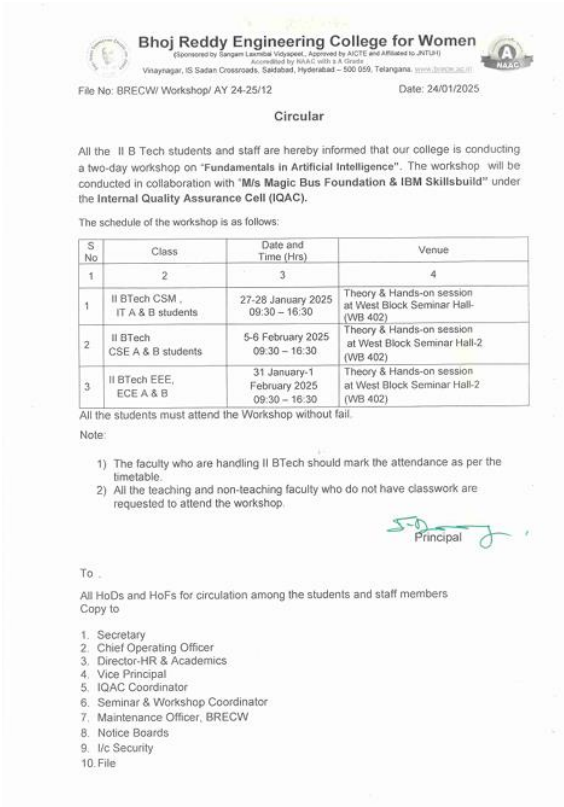


Figure 2:banner

Circular:



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File No: BRECW/ Workshop/ AY 24-25/12 Date: 24/01/2025

Circular

All the II B Tech students and staff are hereby informed that our college is conducting a two-day workshop on "**Fundamentals in Artificial Intelligence**". The workshop will be conducted in collaboration with "**M/s Magic Bus Foundation & IBM Skillsbuild**" under the **Internal Quality Assurance Cell (IQAC).**

The schedule of the workshop is as follows:

S No	Class	Date and Time (Hrs)	Venue
1	2	3	4
1	II BTech CSM , IT A & B students	27-28 January 2025 09:30 – 16:30	Theory & Hands-on session at West Block Seminar Hall-(WB 402)
2	II BTech CSE A & B students	5-6 February 2025 09:30 – 16:30	Theory & Hands-on session at West Block Seminar Hall-2 (WB 402)
3	II BTech EEE, ECE A & B	31 January-1 February 2025 09:30 – 16:30	Theory & Hands-on session at West Block Seminar Hall-2 (WB 402)

All the students must attend the Workshop without fail.

Note:

1) The faculty who are handling II BTech should mark the attendance as per the timetable.
2) All the teaching and non-teaching faculty who do not have classwork are requested to attend the workshop.

Principal

To

All HoDs and HoFs for circulation among the students and staff members
Copy to

1. Secretary
2. Chief Operating Officer
3. Director-HR & Academics
4. Vice Principal
5. IQAC Coordinator
6. Seminar & Workshop Coordinator
7. Maintenance Officer, BRECW
8. Notice Boards
9. I/c Security
10. File

Invitation:

Schedule:

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2	II BTech CSM, CSE A & B students	5-6 February 2025 09:30 – 16:30	Theory & Hands-on session at West Block Seminar Hall-2 (WB 402)
3	II BTech EEE, ECE A & B	31 January-1 February 2025 09:30 – 16:30	Theory & Hands-on session at West Block Seminar Hall-2 (WB 402)

Short break: During 11:15 – 11:30 Hrs and 15:00 – 15:15 Hrs

Lunch break: During 12:30 – 13:30 Hrs

Inauguration session was attended by ECE HoD Mrs S Manjula, Workshop in-charge Mrs K Virija, ECE staff and II ECE students. The venue was Seminar Hall (WB 402).

Fig1,2: During the Inaugural Session on 31 January 2025

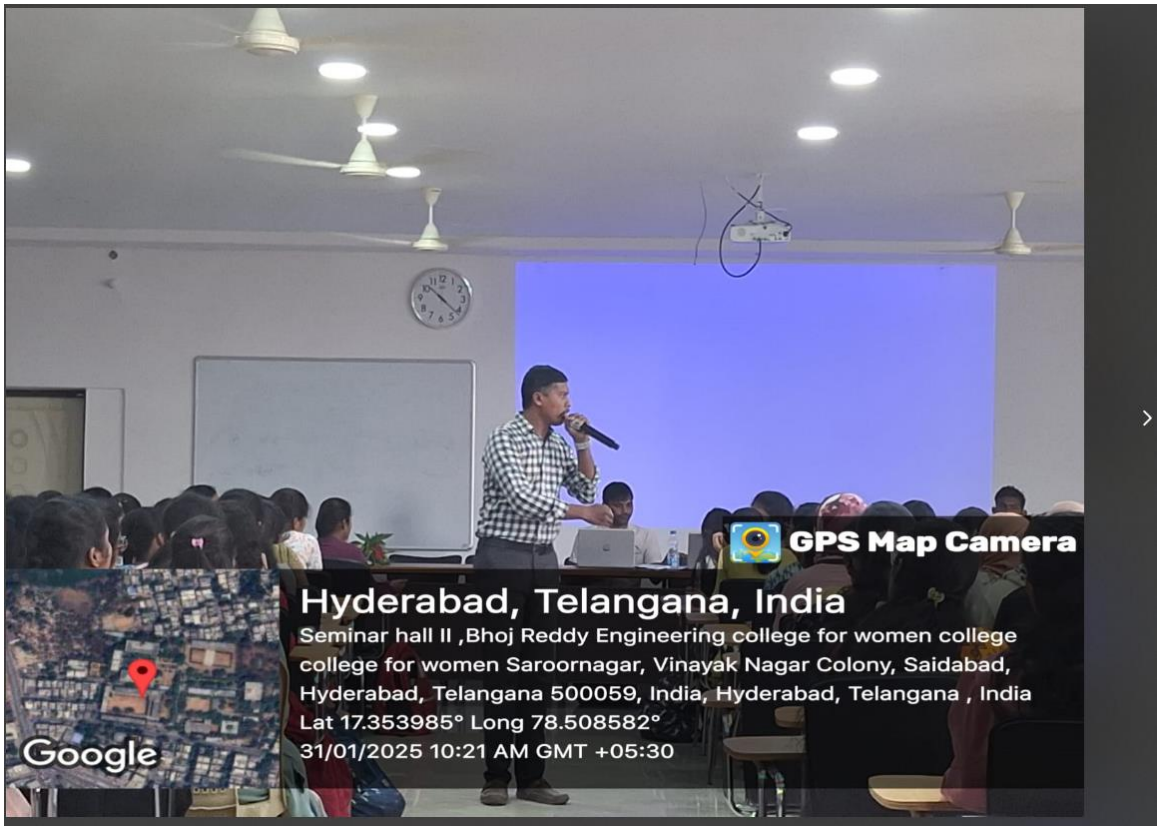

Fig3,4: During the Theory Session on 12 November 2024

Fig5,6: During the Hands-on Session on 13 November 2024

Fig7,8: During the Hands-on Session on 14 November 2024

The workshop was divided into several modules covering fundamental and advanced topics in AI. The event was scheduled to run from 09:30 to 16:30 Hrs, allowing ample time for both conceptual understanding and practical application.

The following modules were covered in the workshop:

1. Introduction to AI

The session began with an introductory lecture on artificial intelligence, explaining its core concepts, history, and its importance in the modern technological landscape. The speaker highlighted AI's applications across various industries, including electrical engineering, healthcare, and finance.

2. Natural Language Processing (NLP) and Computer Vision

The second module focused on NLP and computer vision, two of the most prominent areas in AI. Students learned how machines interpret human language and recognize visual information. The practical implications of these technologies, such as automated customer service and surveillance systems, were discussed, demonstrating their relevance in real-world applications.

3. Machine Learning and Deep Learning

This module provided an overview of machine learning and deep learning, explaining the difference between the two and how each approach solves different kinds of problems. Students were introduced to supervised, unsupervised, and reinforcement learning methods. Hands-on examples illustrated how neural networks work and their applications in predictive analytics and automation.

4. Running AI Models with IBM Watson Studio

In this hands-on session, students had the opportunity to work with IBM Watson Studio, a cloud-based platform for AI development. The instructor guided them through building and deploying AI models, demonstrating Watson's capabilities for tasks like image classification and sentiment analysis. This experience provided students with practical skills and familiarity with industry-standard AI tools.

5. AI Ethics

AI's impact on society and its ethical implications were addressed in this module. The speaker emphasized the importance of responsible AI development, touching on privacy concerns, bias, and fairness in AI applications. Students were encouraged to think critically about ethical dilemmas they may encounter in future AI-related roles.

6. Your Future in AI: The Job Landscape

The final session covered the rapidly growing job market in AI. The speaker discussed career paths, in-demand skills, and the future of AI in various industries. Students received guidance on building a career in AI, including potential roles in research, software development, and data analysis

Bhoj Reddy Engineering College for Women remains committed to organizing such workshops, fostering a learning environment that prepares students for the challenges and opportunities presented by emerging technologies. The college expresses its sincere appreciation to Mr Sreekanth Karlapati, M/s Magic Bus Foundation & IBM Skillsbuild) and the distinguished resource persons for their invaluable contributions to the success of the workshop.

Figure:9:: sample Certificate

Sample Feedback Form:

The Feedback from the students was collected. Total 139 students provided the feedback. Overall feedback of the workshop is Excellent and active participation of students during the workshop was notable, and students were engaged throughout the session. Student's thoughtful questions and insightful comments added a lot of value to the overall discussion. We could tell that students have a good grasp of the subject matter as the workshop was informative and enlightening. In future, we can encourage students to continue attending such events and to keep learning and growing in their field of interest

Fig10: Feedback Sample

The workshop provided students with a solid foundation in AI fundamentals and practical skills essential for today's workforce. The combination of theory and hands-on practice helped students better grasp complex AI concepts and increased their confidence in applying these skills. The participants expressed positive feedback, appreciating the instructor's engaging approach and the opportunity to use IBM Watson Studio Overall feedback of the workshop is Excellent and active participation of students during the workshop was notable, and students were engaged throughout the session. Student's thoughtful questions and insightful comments added a lot of value to the overall discussion. We could tell that students have a good grasp of the subject matter as the workshop was informative and enlightening. In future, we can encourage students to continue attending such events and to keep learning and growing in their field of interest.

Feedback Form Analysis:

Fig11: Feedback form analysis

K Virija, Seminars and Workshops In-charge faculty expressed her sincere gratitude for allowing ECE department to conduct a workshop at BRECW. She appreciated the support that management gave and said it was informative session. Once again, she said thank you for allowing them to contribute to the learning and development of their students and the session was concluded by the vote of thanks by Divyasri student of II A ECE.

K Virija	S Manjula
Seminars and Workshops In- Charge	HOD - ECE